Curriculum Vita

Personal Data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Surname** | **Date of Birth** | **Nationality** | **Sex** | **Marital Status** |
| Mohhamad | Jahanshahi | 22 June 196 1 | Iranian | Male |  |

|  |  |  |
| --- | --- | --- |
| **Telephone** | **Fax** | **E-mail** |
| 09143149385 | 0412-4327541 | [**jahanshahi@azaruniv.ac.ir,**](mailto:jahanshahi@azaruniv.ac.ir,)  [**Mjahan@zedat.fu-berlin.de,**](mailto:Mjahan@zedat.fu-berlin.de)  mjahanshahi1554@gmail.com |

**Educational Background: (Last One First)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Certificate Degree** | **Field of**  **Specialization** | **Name of Institution Attended** | **Date**  **Received** |
| PhD (Mathematics) | ODE & PDE | Tarbiat Modares University, Tehran, Iran | 2000 |
| Master of Science | Mathematics | Tabriz University, Tabriz, Iran | 1989 |
| Bachelor of Science | Mathematics | Tabriz University, Tabriz, Iran | 1986 |
|  |  |  |  |
|  |  |  |  |

**Title of Post-Graduate Thesis: Relation between commutative algebra and graph theory**

**Title of Doctorate Thesis: Investigation of Boundary layers in singular perturbation problems and their applications**

**Teaching Experiences: (Last One First)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Title of Course** | **Level** | **Dates** | | **Name of Institution** |
| **From** | **To** |
| Theory of Boundary Value Problems | Ph.D  &M.Sc | 2005 | continue | Azarbaijan shahid madani university |
| Theory of Linear Integral Equations | Ph.D  &M.Sc | 2005 | -------- | Azarbaijan shahid madani university |
| Theory of Partial Differential  Equations | Ph.D  &M.Sc | 2005 | -------- | Azarbaijan shahid madani university |
| Theory of Ordinary Differential  Equations & Dynamical Sistems | Ph.D  &M.Sc | 2005 | -------- | Azarbaijan shahid madani university |
| History of Science & Philosophy | B.Sc | 1990 | -------- | Azarbaijan Shahid Madani Univ.  Khaje Nasir university, Tehran, |
| History of Mathematics | B.Sc | 1990 | -------- | Azarbaijan shahid madani university, Azad Islamic university |
| Partial Differential Equations | B.Sc | 1990 | -------- | Azarbaijan shahid madani university |
| Ordinary Differential Equations | B.Sc | 1990 | -------- | Azarbaijan shahid madani university, Shahid Beheshti univ. |
| General mathematics 1,2,3 | B.Sc | 1990 |  | Azarbaijan shahid madani university |
| Foundation of mathematics education | B. Sc | 2018 | ------- | Farhangian University, Tabriz |
| Mathematical Education 1,2 | B.Sc | 2005 | ----------- | Azarbaijan shahid madani university, Azzahra University,Teh Tehran |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Calculus I, II, III | B.Sc | 1990 | -------- | Azarbaijan shahid madani university, Azzahra University, Teh |

**Administrative Responsibilities: (Last One First)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Job Title** | **Place of Work** | **Date** | | **Name of Institution** |
| **From** | **To** |
| Head of Basic  sciences Faculty | Tabriz/IRAN | Feb  2008 | Feb  2010 | Azarbaijan shahid madani university |
| Head of Department | Tabriz/IRAN | Feb  2006 | Feb  2008 | Azarbaijan shahid madani university |
| Vice president | Tabriz/IRAN | Sep  2001 | April  2004 | Azarbaijan shahid madani university |
|  |  |  |  |  |

**Academic Positions: (Last One First)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Title of Position** | **Field of Specialization** | **Date** | | **Name of Institution** |
| **From** | **To** |
| Assistant Professor | ODE & PDE | Feb  2000 | July  2007 | Azarbaijan shahid madani university |
| Associate Professor | BVP & IVPs | July  2007 | July  2013 | Azarbaijan shahid madani university |
| Full Professor | ODE & Integral equations | July  2013 |  | Azarbaijan shahid madani university |
|  |  |  |  |  |

Master and Doctorate Thesis Supervision:

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Full Name of Student** | **Level** | **Title of Thesis** |
|  |  |  |  |
| 1 |  |  |  |
| 1 | Mojtaba  Sajjadmanesh | Ph.D | Reduction of Direct and Inverse BVPs to the second  Kind Fredholm Integral Equations. Graduated.2012 |
| 2 | Davood Nazari | Ph. D | Analytical- Numerical methods for solving boundary value problems including fractional differential equations. Graduated.2016 |
| 3 | Mojtaba Darabadi | Ph. D | On the well posed of boundary value problems for fractional and partial differential equations. Graduated.2016 |
| 4 | Reza Hosseieni | Ph. D | Different invariant functions for different derivatives and their applications to solve several differential equations. Graduated. 2018 |
| 5 | Hamdam Kazemi | Ph. D | Classical and advanced analythic and numerical methods for non self adjoint problems involving linear and non linear differential equations. Graduated. 2018 |
| 6 | Javad Ebadpour | Ph. D | Investigation and solving boundary value problems involving first orderelliptic equations with integral terms. Graduated. 2020. |
| 7 | Fatemeh Jahanshahi | Ph. D | Spectral and contour integral methods for solving intial-boundary vale problems involving fractional partial differential equations. Graduated. 2020. |
| 8 | Seyamak Ashrafi | Ph. D | Boundary value problem for perturbed Cauchy- Riemann equation. Graduated. 2017 |
| 9 | Asghar  AhmadKhanloo | Ph.D | Some generalization on fractional Differential  Equations. Graduated. 2014 |
| 10 | Alireza  Sarakhsi | Ph.D | Boundary Layer problems and their applications. Graduated. 2014 |
| 11 | Davood Alifnezad | M.Sc | Operational methods for solving fractional differential equations |
| 12 | Ali Akbari | M.Sc | Fractional Fourieh transformation for fractional differential equations |
| 13 | Mozghan Gorbani | M.Sc | Fractional multiplicative calculus |
| 14 | Maryam Mohammadi  Arbati | M.Sc | Multiplicative calculus for multi variable functions |
| 15 | Maryam Mohammadzad | M.Sc | Introduction to additive and multiplicative calculus and applications for solving linear difference and differential equations |
| 16 | Sarisa Gaderi | M.Sc | Complex multiplicative caculus |
| 17 | Rogayyeh Ranjbar | M.Sc | Multiplicative calculus and applications in economic and medicine |
| 18 | Saeed  Panahi | Master of science | Fractional Ordinary Differential system |
| 19 | Zahra  Farzaneh | Master of science | Fractional partial Differential Equations |
| 20 | Mokhtar  Mansuri | Master of science | Fractional ordinary Differential equations with Initial conditions |
| 21 | Mojtaba  Sajjadmanesh | Master of science | Reducing BVP for Cauchy-Riemann equation to the fredholm integral equation |
| 22 | Asghar  AhmadKhanloo | Master of science | On time scales BVPs and IVPs including ODEs |
| 23 | Alireza  Sarakhsi | Master of science | Asymptotic expansions of solutions of boundary layer problems |
| 24 | Somayyeh  Fallahi | Master of science | Investigation and solving first order BVPs with local and nonlocal boundary conditions |
| 25 | Zeynab  Alipur | Master of science | Investigation and solving second order PDEs with local boundary conditions |
| 26 | Zeynab  Babaee | Master of science | Investigation and solving non homojenous second order PDEs |
| 27 | Fatemeh  Rahmani | Master of science | Asymptotic expansions of solution perturbation problems including linear and nonlinear ODEs |
| 28 | Zeynab  Rasekhian | Master of science | Asymptotic expansions of solution perturbation problems including fourth order equations |
| 29 | Reza  Hosseinpur | Master of science | Asymptotic expansions of solutions of singular perturbation problems and applications |
| 30 | Tahereh vagri mogaddam | Master of science | Additive and multiplicative differential equations |
| 31 | Faemeh Abbasi | Master of science | Existence and uniqueness of solution of system of fractional differential  equations with application in sciences and engineering |
| 32 | Vahid Khosh Fetrat | Master of science | Advanced analytical-numerical methods for partial differential equations |
| 33 | Seyedeh Zahra Tabatabaii | Master of science | Methods of solving perturbation problems in sciences and engineering |
| 34 | Javad Mardukhi | Master of science | Existence of local and positive solutions of fractional differential equations  with right and left Riemann–Liouville derivatives |
| 35 | Vahid Abbasnavaz | Master of science | Variational method s for solving boundary value problems including  ordinary an partial differential equations |
| 36 | Reza Danayi | Ph. D | Contour and Spectral method for solving Initial- Boundary value problems. Graduated.2023 |
| 37 | Isa Sefidi | Ph. D | New special approximative method for solving boundary value problems.Graduated.2024 |

Publications:

***A: Books***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Title** | **Type of Work** | | **Publisher** | **Place &Date of Publication** |
| **Translation** | **Compilatio** |
| Partial Differential Equations and Applications |  |  | Azarbaijan shahid madani university | 1994  Tabriz  Iran |
| Dynamical systems and Differential Equation. |  |  | Tarbiat Modarres university | 2001,  Tehran |
| Fourier Methods for Scientists and Engineers |  |  | Azarbaijan shahid madani university | 2003,Tabriz  Iran |
| Principles and fundamentals of math education |  |  | Madrese publisher | 1998,Tehran  Iran |
| Proceedings of 9th seminar on differential equations and Dynamical systems |  | Editor | Azarbaijan shahid madani university | 2013, Tabriz  Iran |
| Discrete and continuous multiplicative calculus and applications |  | \* | Lambert Academic  Publisher, Moldavia, London | July 2024 |

Research Activities:

|  |  |  |  |
| --- | --- | --- | --- |
| **Title of Project** | **Place of Work** | **Dates** | |
| **From** | **To** |
| Research Visitor | Japan  Saituma university | April  1998 | Dec  1999 |
| Research Visitor | IRAN  Tehran Tarbiat modarres  university | Sep  2005 | March  2006 |
| Research Visitor | Germany  Fu-berlin  university | Feb  2009 | June  2010 |

Research Interests:

Ordinary Differential Equation & Dynamical system

Partial Differential Equation

Integral Equations & Boundary Value problems

Philosophy and History o Mathematics

Educational of Mathematics ( High school and University)

***B: Some of my papers in Journals***

1. **M. Jahanshahi,** A.Ahmadkhanloo, on the existence and uniqueness of solution Of non homogenous wave equation with non local BC, Iranian Journal of Mathematical Sciences and Informatics Vol. 9 No. 1, 2014.
2. **M. Jahanshahi,** M. Sajjadmanesh, *Analutical solutions for the Stepjen’s inverse problem with local boundary conditions including a first order hyperbolic equation***,** Bulletin of the Iranian Mathematical Society, 2013.

3‐ **Mohammad Jahanshahi**, Davoud Nazari and Nihan Aliev, *A special successive approximations method for solving boundary value problems including ordinary differential equations, Mathematical Sciences, 2013, 7:42.*

4- A.R. Sarakhsi, S. Ashrafi, **M. Jahanshahi** and M. Sarakhsi, *Qinvestigation of Boundary Layers in Some Singular Perturbation Problems Including Fourth Order Ordinary Differential Equations, World Applied Sciences Journal, Volume ,22 Number 12, 2013.*

5- M. Sajjadmanesh, **M. Jahanshahi,** N. Aliev, INVERSE PROBLEM OF THE KIND OF TIKHONOV‐LAVRENTEV INCLUDING THE CAUCHY‐RIEMANN EQUATION, Azerbaijan journal of mathematics, Vol. 3, No. 1, 2013.

6- Asghar Ahmadkhanlu, **M. Jahanshahi,** On Well‐posed of Boundary Value Problems Including Fractional Order Differential Equations, Southeast Asian Bulletin of Mathematics, Vol,36, No 1, 2013.

7- **M. Jahanshahi,** A.Sarakhsi, N.Aliev and S.Ashrafi, Boundary layer problem for the system of first order ordinary differential equation with linear nonlocal BC, J. of Science &Technology, 2013.

8- **M. Jahanshahi,** M. Sajjadmanesh, A NEW METHOD FOR INVESTIGATION AND RECOGNIZING OF SELF‐ ADJOINT BOUNDARY VALUE PROBLEMS, Journal of Contemporary Applied Mathematics, Vol. 2. No. 1, 2012.

9- **M. Jahanshahi** , Asghar Ahmadkhanlu, On the Existence and Uniqueness of Solution of Initial Value problem for Fractional order Differential Equations on Time scales, Bulletin of the Iranian Mathematical Society , Vol. 38 No.1, 2011.

10- **M. Jahanshahi,** Asghar Ahmadkhanlu, Nihan Aliev, Mehran Fatemi, DISCRETE ADDITIVE AND MULTIPLICATIVE DIFFERENTIATION AND INTEGRATION AND THEIR INVARIANT FUNCTIONS, Journal of Contemporary Applied Mathematics, Vol. 1, No. 1, 2011.

11- **M. Jahanshahi,** N. Aliev, Hosseini, S. M., An Analytic Method for Investigation and Solving Two‐Dimensional Steady State Navier‐Stokes Equations (I), Southeast Asian Bulletin of Mathematics; Vol. 33 Issue 6, p1075, 2009.

12- N. Aliev, Sh. Rezapour, and **M. Jahanshahi,** On a Mixed Problem for Navier‐Stokes System in the Unit Cube, Mathematica Moravica Vol. 13 – 1, 13–24, 2009.

13- **M. Jahanshahi,** M. Fatehi, ANALYTIC SOLUTION FOR THE CAUCHY‐RIEMANN EQUATION WITH NON‐LOCAL BOUNDARY CONDITIONS IN THE FIRST QUARTER, International Journal of Pure and Applied Mathematics, Volume 46 No. 2, 245‐249, 2008.

14- N. Aliev, Sh. Rezapour, and **M. Jahanshahi,** A Mixed Problem for Navier‐Stokes System, Mathematica Moravica, Vol. 12 ‐2,1–14, 2008.

15- N. Aliev, Sh. Rezapour, and **M. Jahanshahi,** On Fefferman’s Non‐existence Problems, Mathematica Moravica, Vol. 11, 1–7, 2007.

16- N. Aliev, N. Azizi and **M. Jahanshahi,** Invariant Functions for Discrete Derivatives and Their Applications to Solve Non‐Homogenous Linear and Non‐Linear Difference Equations, International Mathematical Forum, 2, no. 11, 533 – 542, 2007.

17- **M. Jahanshahi** and H. M. Khatami, Historical Paradoxes in fundamental of Mathematics and their role in developing branches of Mathematics and methods of scientific researches, Mathematical Sciences, Vol. 1, No. 1,(2) 47‐60, 2007.

18- **M. Jahanshahi** and N. Aliev, Reduction of Linearized Benjamin‐Ono Equation to the Schrodinger Equation, International Mathematical Forum, 2, no. 11, 543 – 549, 2007.

19- N. Aliev, **M. Jahanshahi,** S.M. Hosseini, AN ANALYTICAL‐NUMERICAL METHOD FOR INVESTIGATION AND SOLVING THREE DIMENSIONAL STEADY STATE NAVIER‐STOKES EQUATIONS, II, International Journal of Differential Equations and Applications, Vol. 10, No. 2, 2005.

20- **M. Jahanshahi,** N. Aliev, Determining of an Analytic Function on Its Analytic Domain by Cauchy‐Riemann Equation with Special Kind of Boundary Conditions, Southeast Asian Bulletin of Mathematics; Vol. 28 Issue 1, p33, 2004.

21‐ **M. Jahanshahi,** B. Mehri, A. Aliev and K. Sakai, Asymptotic expansion of periodic solutions for a singular Perturbation problem including nonlinear dynamical system with two boundary layers, Southeast Asian Bulletin of Mathematics; 28, 41‐57, 2004.

22- **M. Jahanshahi,** INVESTIGATION OF BOUNDARY LAYERS IN A SINGULAR PERTURBATION PROBLEM INCLUDING A 4TH ORDER ORDINARY DIFFERENTIAL EQUATIONS, J. Sci. I. R. Iran, Vol. 12, No. 2, Spring 2001.

23- D.Nazari, **M. Jahanshai,** Numerical solution of multi‐order fractional integro‐differential equations,submitted.

24. R. Hosseini a,\_, M. Jahanshahia ,A.A.Pashavand b, N.Aliev” The Study of Some Boundary Value Problems Including Fractional Partial Differential Equations with non-Local boundary conditions” Iranian Journal of Mathematical Sciences and Informatics

Vol. 14, No. 2 (2019), pp 69-77

25. M. Jahanshahi , H. Kazemi demneh” Contrast of Homotopy and Adomian Decomposition Methods with Mittagleffer Function for Solving Some Nonlinear Fractional Partial Di\_erential Equations. **Int. J. Industrial Mathematics (ISSN 2008-5621)**

Vol. 12, No. 3, 2020 Article ID IJIM-1155, 9 pages

26. M. Jahanshahi, N. Aliyev\_, F. Jahanshahi “Solving Two Initial-Boundary Value Problems Including Fractional Partial Differential Equations By Spectral and Contour Integral Methods. Azerbaijan Journal of Mathematics.V. 10, No 2, 2020, July.

27. REZA HOSSEINI KOMLAEI, MOHAMMAD JAHANSHAHI”

**INVARIANT FUNCTIONS FOR SOLVING MULTIPLICATIVE DISCRETE AND CONTINUOUS ORDINARY**

**DIFFERENTIAL EQUATIONS**“ **(CMDE)** *Computational Methods for Differential Equations***.**

**Vol. 5, No. 4, 2017, pp. 271-279**

*\_*

28. M. Jahanshahi *\_y*, N. Aliev *z*, F. Jahanshahi” Solving Some Initial-Boundary Value Problems Including Non-classical Cases of Heat Equation By Spectral and Countour Integral Methods” **Int. J. Industrial Mathematics (ISSN 2008-5621)**

Vol. 9, No. 4, 2017 Article ID IJIM-00819, 6 pages

29. M. Jahanshahi, J. Ebadpour Golanbar “Regularization of basic singularities in fractional Volterra and Fredholm integral equations. International Journal of Applied and Computational Mathematics. Int. J. Appl. Comput. Math (2021) 7:154

https://doi.org/10.1007/s40819-021-01049-8

30.J.Ebadpour Golanbar, N. Aliev and M. Jahanshahi” Transformation of a BVP including generalized Cauchy- Riemann Equation to Fredholm integral equations” **TWMS journal.Pure.Appl. Math.V.11, N.1, 2020. Page30-42.**

31. M. jahanshahi & R. Danayi “ Analytical-Numerical Solution for a Third Order Space-time Conformable Fractional PDE with Mixed Derivative by Spectral and Asymptotic Methods”

Sahand Communications in Mathematical Analysis (SCMA) Vol. 20 No. 1 (2023), 81-93 http://scma.maragheh.ac.ir DOI: 10.22130/scma.2022.550726.1079

32. M. Jahanshahi & R.Danaei “ Investigation and solving of initial-boundary value problem including fourth order PDE by contour integral and asymptotic methods”

Journal of Mathematical Modeling Vol. 11, No. 2, 2023, pp. 245–255.

33. M. Jahanshahi & R. Danaei “ Sufficient conditions for existence periodic solutions for non-linear two dimensional dynamical system” Proceedings of IAM.vol.11.No.1, 2022. Pages 45-49

34. M. Jahanshahi & I. Sefidi & A. Khani “ Special approximation method for solving system of ordinary and fractional integro-differential equations” Journal of Mathematical Modeling Vol. 12, No. 4, 2024, pp. 781–798. Research Article.

35. R. Danayi & M. Jahanshahi “ A new conformable fractional variational iteration method to singular perturbation conformable fractional Cauchy problems “ Filomat 38:24 (2024), 8623–8633 <https://doi.org/10.2298/FIL2424623D>

Some of my papers presented at national and international scientific conferences

M. Jahanshahi& M. Samee “ : Generalization of Fubin’s theorem to multiplicative analysis and using it to solve multiplicative differential and integral equations “ COIA. 2024. Istanbul. Turkey.

M. Jahanshahi & H. Deghani & N. Aliyev “ Solving Non- Homogeneous Non-Linear Difference Equations By Using Additive and Multiplicative Discrete Derivatives” COIA. 2024. Istanbul. Turkey.

Mohammad Jahanshahia , Eisa Sefidib and Ali Khani” Special Approximation Method for Solving System of Ordinary Differential Equations “ Int. Conference on Modern problems of Mathematics and Mechanics. Baku.Azerbaijan.2024

\*. M. Jahanshahi & R. Danaei “ ON THE THIRD ORDER TIME-SPACE CONFORMABLE FRACTIONAL PARTIAL DIFFERENTIAL EQUATION” Proceedings of COIA.2022.Auguest,24-26.Vol.1.Baku. Azarbaijan.

\*. M. Jahanshahi & H. Deghani & N. Aliyev “ Extension and Generalization of Non-Newtonian calculus Applications in Nonlinear Difference and Differential Equations” ICMS.2023. July.5-9.Stanbul. Turkey.

\*. M. Jahanshahi & H. Deghani & N. Aliyev “ Discrete and continuous additive calculusapplications in geometry with math-educational approaches”

7th Int.Conference on mathematics.An Istanbul Meeting of World Mathematicians. Istanbul.July.11-13.2023

• **The 43rd Annual Iranian Mathematics Conference, 27-30**

**st 2012, University of Tabriz**

1. Boundary value problems for real order differential equations

2. Some notes on multi-order fractional integro-differential equations

• **The 9th seminar on differential equations and dynamical systems, 11-13 July 2012, Azarbaijan Shahid Madani**

**University**

3. Reducing Steklov’s boundary value problem including Cauchy-Riemann equation

with non-local boundary conditions to the second kind Fredholm integral equations.

4. A new analytical-numerical method for solving boundary value problems with local and nonlocal

boundary conditions.

5. Investigation of boundary layers in some singular perturbation problems.

• **The sixth seminar on geometry and topology, 18-20 September, University of Bonab, 2011.**

6. Asymptotic expansions for singular perturbation problem of 2-dimensional dynamical system

• **The IV Congress of the Turkic World Mathematical Society, 1-3 July, Baku, Azerbaijan, 2011.**

7. Inverse problem of the kind of Tikhonov-Lavrener for the Cauchy-Riemann equation.

• **The 10th conference on models in developing mathematics, Dresden, Germany, September 2009.**

8. Discrete additive and multiplicative calculus in graduate and undergraduate mathematics.

• **The 2th Jang Jion Conference., Bursa, Turkey, August 2008.**

9. Periodic solutions for singular perturbation problem under matching conditions.

• **The 2th International conference on control theory and optimization, Baku, Azerbaijan, June 2008.**

10. On the possibility of classification of third and higher order P.D.Es.

• **International Conference on Dynamical System, Antalya, Turkey, 2004.**

11. An analytic numerical method for solving linear difference equations with variable coefficients.

• **The 4th ISSAC, Toronto, Canada, 2003.**

12. Reduction of 2-dimensional Neumann and Poincare B.V.Ps to Dirichlet B.V.P.

• **The 12thColloquiuem on Differential Equations, Plovdiv, Bulgaria, 2001.**

13. Two analytic numerical methods for solving B.V.Ps including second order linear differential

equations.

• **The 3th ISAAC, Berlin .Germany, 2001.**

14. Determining of analytic function on its analytic domain by Cauchy-Riemann equation.

• **The 13th Symposium of Japanese Mechanical Engineering, Tokyo, Japan, 1999.**

15. Solving a third order P.D.E by spectral method.

• **ICM'98, Berlin, Germany, 1998.**

16. Investigation of periodic solutions in a singular perturbation problem including 2-dimensional

dynamical system.

• **The 9th International Colloquium on Numerical Analysis. Plovdiv, Bulgaria, 1998.**

17. A New successive approximation method for solving a B.V.P.

• **The 5th International Colloquium on Differential Equations, Plovdiv, Bulgaria, 1994.**

18. Sufficient conditions for reducing of a B.V.P including mixed equation to Fredholm integral

equations.

.

=

|  |  |  |
| --- | --- | --- |
| Investigation of periodic solutionsin a singular perturbation problem including 2-dimensional dynamical system | Abstracts of ICM'98.  Berlin.Germany | Auguest 1998 |
| Solving a third order P.D.E by spectral method | Abstracts of 13th Symposium of Japanese Mecanical Engineering.Tokyo,Japan | 1999 |
| Determining of analytic function on its analytic domain by Cauchy-Riemann equation | Abstracts of 3th ISAAC,Berlin .Germany | Auguest 2001 |
| Reduction of 2-dimensional Newmann and Poincare B.V.Ps to Dirichlet B.V.P | 4th ISSAC , Toronto, Canada | Auguest 2003 |
| An analytic numerical method for solving linear difference equations with variable coefficients | International Conference on Dynamical Systam,Antalia,Turkey | 2004 |
| Two  analytic numerical methods for solving B.V.Ps including second order  linear differential equations | Abstractsof 12th Colloquiuem on  Differential Equations.Plovdiv, Bulgaria | Auguest 2001 |
| On the possibility of classification of third and higher order P.D.Es | Abstracts of 2th International conference on control theory and optimization, Baku,Azarbayjan | June 2008 |
| Periodic solutions for singular perturbation problem under matching conditions | Abstracts of 2th Jang Jion Conference., Bursa , Turkey | Auguest 2008 |
| Discrete additive and multiplicative calculus in graduate and undergraduate mathematics | Abstracts of 10th conference on  models in developing mathematics, Dresden,Germany | September 2009 |
| Invariant functions for additive and multiplicative differentiation and their application for solving linear and nonlinear difference equations | Mathematical Institute of Free University of Berlin. Berlin, Germany | May  2010 |
| Regularization of basic singulaties in fractional  Integro-differential equations | 9th singular days  Workshop, Kassel university, Kassel  Germany | September  2019 |
| Detecting of the place of boundary layers in  Some singular perturbed boundary layer problems | Weierstras Institue Berlin  Berlin, Germany | September  2019 |
| Approximate solutions for some nonlinear  Fractional ODEs by Adomian Decomposition method and Mittag- Leffler functions | The6th Int. conference on control and optimization with industrial applications, Baku,2018 | The6th Int. conference on control and optimization with industrial applications, Baku |
| Spectral problem for an initial-boundary value problem involving first order non homogenous Cauchy- Riemann equation with general non-local boundary conditions | The6th Int. conference on control and optimization with industrial applications, Baku,2018 | The6th Int. conference on control and optimization with industrial applications, Baku |
| Investigation and solving some fractional partial differential equations by spectral and contour integral method | The6th Int. conference on control and optimization with industrial applications, Baku,2018 | The6th Int. conference on control and optimization with industrial applications, Baku |
| Investigation of Spectral problem for generalized Cauchy-Riemann equation with local and nonlocal boundary conditions | Caucasian Mathematics  ConferenceII (CMCII)  Van,Yuzuncu Yil University, Turkey  Van,Turkey | August  2017 |
| Solving an initial-boundary value problem  including non-classical case of Heat equation by contour integral method | Caucasian Mathematics  ConferenceII (CMCII)  Van,Yuzuncu Yil University, Turkey | August  2017 |
| **Spectral and contour integral methods for solving intial-boundary value problems** | Workshop on PDE and Analysis  Leibnitz University  Hanover, Germany  Hanover,Germany | October  2017 |
| Extension and development of different non-Newtonian calculus in order to solve different differential and difference equations based on mathematical education approaches | The 11th international MCG conference,  Hamburg, Germany | August  2019 |
| اصول و مبانی روشهای مدلسا زی ریاصی مسایل فیزیک و مهندسی | مجله آموزش مهندسی  سی ایران. شماره 39 سال دهم  فرهنگستان علوم ایران | پاییز 1387 |
| تبدیل مسایل مقدارمرزی آمیخته به معادلات انتگرالی فردهلم | مجله فرهنگ اندیشه ریاضی .انجمن ریاضی ایران | 1373 |
| تحلیل علمی بر فضاها و موجودات فرا بعدی | مجله اطلاعات علمی | اسفند ماه 1386 |
| تقسیم صفحات و فضاها بوسیله خطوط و صفحات | مجله آموزش برهان. انتشارات مدرسه | 1373 |
| بررسی تشکیل لایه مرزی دریک مساله اغتشاشی غیر عادی شامل معادله دیفرانسیل مرتبه دوم خطی با شرایط مرزی غیر موضعی | پروسیدینگ سی ویکمین کنفرانس ریاضی کشور  دانشگاه تهران | شهریور 1379 |
| ارایه شرایط کافی برای وجود جواب تناوبی یک سیستم دینامیکی غیرخطی مرتبه دوم  باشرایط مرزی تناوبی | پروسیدینگ دومین سمینار معادلات دیفرانسیل ودستگاههای دینامیکی دانشگاه صنعتی اصفهان | اردیبهشت ماه  1377 |
| روشی برای اثبات وجود جواب های تناوبی رده وسیعی از معادلات دیفرانسیل عادی غیرخطی با شرایط مرزی خطی عمومی | پروسیدینگ 28امین کنفرانس ریاضی کشور  دانشگاه تبریز | فروردین  1376 |
| بررسی وحل مسایل مقدار مرزی –اولیه شامل معادلات دیفرانسیل پاره ای با مرتبه  کسری | پروسیدینگ 27 امین کنفرانس ریاضی کشور  دانشگاه شیراز | فروردین  1375 |
| هنرهای معلمی ریاضی از دیدکاه جرج پولیا | پروسیدینگ 26امین کنفرانس ریاضی کشور  دانشگاه کرمان | فروردین  1373 |
| ریاضیات چیست و چه اصولی بر آن حاکم است | پروسیدینگ 26امین کنفرانس ریاضی کشور  دانشگاه کرمان | فروردین  1373 |
| بررسی وحل معادله پواسن در یک ناحیه محدود ومستوی وارایه شرایط کافی برای تبدیل آن به معادله انتگرال فردهلم | پروسیدینگ 26امین کنفرانس ریاضی کشور  دانشگاه کرمان | 1373 |
| تبدیل مساله مقدارمرزی شامل معادله مرتیه سوم خطی به دستگاه معادلات انتکرالی | خلاصه مقالات 29 امین کنفرانس ریاضی کشور.دانشگاه صنعتی امیرکبیر.تهران | شهریور  1379 |
| روشی برای اثبات وجود جواب های تناوبی  معادلات دیفرانسیل عادی غیرخطی با شرایط مرزی موضعی | خلاصه مقالات اولین سمینارمعادلات دیفرانسیل ودستگاههای دینامیکی. مرکز تحصیلات تکمیلی زنجان | اردیبهشت 1375 |
| بررسی وحل معادلات دیفرانسیل با مرتبه های حقیقی و پیوسته | خلاصه مقالات اولین سمینارمشترک ریاضی کاربردی بین دانشگاه زنجان ودانشگاه دولتی باکو.زنجان | 1379 |
| بررسی و حل معادله انتگرال ولترای نوع اول با استفاده از تبدیل لاپلاس | خلاصه مقالات اولین سمینار آنالیز عددی و دانشگاه صنعتی شریف.تهران | 1374 |
| بررسی وجود جوابهای تناوبی برای یکدستگاه دینامیکی اغتشاشی خطی دو بعدی | خلاصه مقالات سومین سمینارمعادلات دیفرانسیل ودستگاههای دینامیکی. دانشگاه فردوسی مشهد | 1379 |
| گزارشی از روشهای آموزش و پژوهش در دانشگاههای کشور ژاپن | کنفرانس ریاضی دانشجویی دانشگاه صنعتی خواجه نصیرالدین طوسی | 1379 |
| گزارشی از روشهای آموزش و پژوهش در دانشگاههای کشورژاپن | دانشگاه تربیت مدرس | 1379 |
| گزارشی از روشهای آموزش و پژوهش در دانشگاههای کشورژاپن | دانشگاه الزهرا | 1380 |
| مروری تاریخی بر واژه انتگرال از ارشمیدس تا ریمان و لبگ | چکیده مبسوط 37 امین  کنفرانس ریاضی ایران.دانشگاه تربیت معلم آذربایجان.تبریز | شهریور 1385 |
| تولید علم وتاثیر پذیری آن از تاریخ و فلسفه غلم | سازمان مرکزی دانشگاه آزاد اسلامی . تهران  مجله تولید علم. سال دوم . شماره 5 |  |

Membership to Scientific Associations:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of Institution/Association** | **Position Held** | **Country** | **Year** |
| Iranian Mathematic Sociey | member | IRAN |  |
| ISSAC | member | Germany | 2002 |
| Math educationl directory | member | Germany | 2003 |
| Genealogy of mathematicians | member |  |  |

Language Proficiency:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Language** | **Degree of Proficiency** | | | | | | | | | | | | |
|  | **Writing** | | | | **Reading** | | | | **Speaking** | | | |
| **Native** | | **Good** | **Fair** | **Poor** | **Native** | **Good** | **Fair** | **Poor** | **Native** | **Good** | **Fair** | **Poor** |
| English |  | | \*\*\*\* |  |  |  | \*\*\*\*\* |  |  |  | \*\*\*\* |  |  |
| Persian | \*\*\*\* | | \*\*\*\* |  |  |  | \*\*\*\*\* |  |  |  | \*\*\*\* |  |  |
| Azarian | \*\*\*\* | |  |  |  | \*\*\*\*\* |  |  |  | \*\*\*\*\* |  |  |  |
| Arabian |  | |  | \* |  |  | \*\*\*\* |  |  |  |  | \* |  |